

**ABSTRACT OF THE DISCLOSURE:**

A method for enhancing the fairness and performance in a multihop ad hoc network, the method usually including providing contention synchronization information regarding a transmission between nodes of the network, wherein the information is routinely provided to nodes in a range of two hops from the nodes participating at the transmission. The method also typically includes setting, after successfully finishing the transmission, a waiting time for the nodes participating at the transmission, in which these nodes backoff from accessing a transmission medium.